

32-13112: CD57 Human

Alternative Name B3GAT1, CD57, GLCATP, GLCUATP, HNK1, LEU7, NK-1, NK1, Beta-1,3-glucuronyltransferase 1,
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Glucuronosyltransferase P, GlcAT-P, UDP-GlcUA:glycoprotein beta-1,3-glucuronyltransferase, GlcUAT-P.

Description

Source: Sf9, Baculovirus cells.

Sterile filtered colorless solution.

CD57 also called B3GAT1 is part of the glucuronyltransferase gene family. CD57 exhibits strict acceptor specificity, recognizing nonreducing terminal sugars and their anomeric linkages. CD57 takes part in the glucuronyl transfer reaction during the biosynthesis of the carbohydrate epitope HNK-1.

CD57 Human Recombinant produced in Baculovirus is a single, glycosylated, polypeptide chain containing 549 amino acids (28-334aa) and having a molecular mass of 62.3kDa. CD57 is fused to a 242 amino acid hIlg-His-Tag at C-terminus and purified by proprietary chromatographic techniques.

Product Info

Amount : 2 µg / 10 µg

Purification : Greater than 90.0% as determined by SDS-PAGE.

Content : The CD57 solution (0.25mg/ml) contains 20mM Tris-HCl buffer (pH 7.5), 10% glycerol and 0.1M NaCl.

Storage condition : Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Amino Acid : ADPTLAPLLA VHKDEGSDPR RETPPGADPR EYCTSDRDIV EVRTEYVYT RPPPWSDTLPTIHVVVPTYS
RPVQKAE LTR MANTLLHVPN LHWLVVEDAP RRTPLTARLL RDTGLNYTHLHVETPRNYKL RGDARDPRIP
RGTMQRN LAL RWLRETFPRN SSQPGVVYFA DDDNTYSLELFEEMRSTRRV SVWPVAFVGG
LRYEAPRVNG AGKVVGWKTV FDPHRPFAID MAGFAVNLRLILQRSQAYFK LRGVKGGYQE SLLRELVT
NDLEPKAANC TKILVWHTRT EKPVLVNEGKKGFTDPSVEI LEPKSCDKTH TCPPCPAPEL LGGPSVFLFP
PKPKDTLMIS RTPEVTCVVVDVSHEDPEVK FNWYVDGVEV HNAKTKPREE QYNSTYRVVS VLTVLHQDWL
NGKEYCKVSNKALPAPIEK TISKAKGQPR EPQVYTLPPS RDELTKNQVS LTCLVKGFYP
SDIAVEWESNGQPENNYKTT PPVLDSGDSF FLYSKLTVDK SRWQQGNVFS CSVMHEALHN HYTQKLSLSL
PGKHHHHHHH.